

REMARKS

Reconsideration of this application, in view of the foregoing amendments and the following remarks, is respectfully requested.


Claim Rejections -35 USC § 103

Claims 45 and 48 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hirata et al. (US 6,731,911) in view of Kim (US 5,625,573). Applicants respectfully traverse this rejection.

In rejecting claim 45, the Examiner has stated that Hirata et al. in figure 4 discloses “correlating (4) the received pilot symbols to provide a **correlation function**” (emphasis added). Applicants respectfully point to the Examiner that the correlator 4 in figure r of Hirata et al. is actually despreads “the digital signal from A/D converter 12 using a spreading code corresponding to a paging channel (PCH) thereby to demodulate PCH data.” (See col. 4, lines 29-32). In complete contrast, claim 45 recites correlating the received **pilot multicarrier blocks** **with** the **computed pilot multicarrier block** to provide a correlation function where the computed pilot multicarrier block is generated by converting pilot symbols into received pilot multicarrier blocks and the computed pilot multicarrier block having complex conjugates of system pilot symbols corresponding to received pilot symbols. Hirata et al. does not teach this limitation. Accordingly, claims 45, 48, and those depend therefrom are patentably distinguishable from the combination of cited references.

Applicant believes this application and the claims herein to be in a condition for allowance. Please charge any additional fees, or credit overpayment to Deposit Account No. 20-0668. Should the Examiner have further inquiry concerning these matters, please contact the below named attorney for Applicant.

Respectfully submitted,



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